

## A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09G3/36 H02M3/07

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{G09G} & \mbox{H02M} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	EP 0 750 208 A (SEIKO EPSON CORP) 27 December 1996 (1996-12-27) abstract; figures 1,6-9,34-36,47 page 12, line 36 -page 13, line 4 page 9, line 6 -page 11, line 27	1-7
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 06, 4 June 2002 (2002-06-04) -& JP 2002 062858 A (SEIKO EPSON CORP), 28 February 2002 (2002-02-28) abstract; figures 1,2,6-9,49	1-7

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family
Date of the actual completion of the International search  10 March 2004	Date of mailing of the International search report 23/03/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Fulcheri, A



PCT/IB 03/05316

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C.(Continue	INTERPOLATION DOCUMENTS CONSIDERED TO BE RELEVANT			
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Х	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) -& JP 2002 262547 A (SHARP CORP), 13 September 2002 (2002-09-13) abstract; figures 1,8,10,15		1-7	
X A	US 6 229 530 B1 (USHIKI HIROSHI) 8 May 2001 (2001-05-08) abstract; figures 1,5,9,10 column 4, line 20 -column 6, line 40		1,3 4-7	
X A	US 6 344 984 B1 (MIYAZAKI KIYOSHI) 5 February 2002 (2002-02-05) column 4, line 32-67; figures 4A-5B,9		1,3 4-7	
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